

CLAIMS:

1. A security system, in particular in a motor vehicle (10), comprising a transmitter which transmits a signal in the form of an electromagnetic field (11, 14) and a transportable receiver (12) which receives the signal and sends back a corresponding response signal to a further receiver, characterized in that a gradient of the electromagnetic field (11, 14) can be detected by the receiver (12).
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2. A security system as claimed in claim 1, characterized in that a spatial gradient can be detected, in particular a homogeneous electromagnetic field (11).
- 10 3. A security system as claimed in claim 1 or 2, characterized in that a number of transmitters are provided.
4. A security system as claimed in any of claims 1 to 3, characterized in that a temporal gradient can be detected.
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5. A security system as claimed in either of claims 3 and 4, characterized in that the transmitters each transmit different signals.
- 20 6. A security system as claimed in any of claims 1 to 5, characterized in that one or more transmitters can be located by means of the receiver (12).
7. A security system as claimed in claim 6, characterized in that the receiver (12) has a directional antenna.